

8th Math Grade

ACS Cobham International School



Textbook:

Big Ideas Math (Blue),
a Common Core
Curriculum

Classroom: Bridge 2

Email: phiggins@acs-schools.com

01932-867251 Ext.

professor-higgins.wikispaces.com

Dear Parent/Guardian,

I would like to welcome you and your child to 8th Grade Maths. I am excited and looking forward to working with you and your child. To prepare our students for future challenges in Mathematics, we have chosen a Common Core Curriculum. If you have any questions or would like to know more about our new program, please contact me personally or use a link below.

<https://www.bigideasmath.com/parents/>

Students will be carefully monitored and students can be upgraded to another course if the teacher has enough evidence to suggest this would be in the best interest of the student. This decision is teacher-led and can only be taken in the first 3 quarters of the year. Please note that it is expected that most students will not be upgraded. Remaining in their grade level course is the normal math progression.

Course description:

Students will be working on various aspect of mathematics including:

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|----------------------------|--|
| The Number System | – Approximate Real Numbers; Perform Real Number Operations |
| Expressions and Equations | – Use Radicals and Integer Exponents; Connect Proportional Relationships and Lines; Write and solve equations; Solve Systems of Linear Equations |
| Geometry | – Understand Congruence and Similarity; Apply the Pythagorean Theorem; Apply Volume Formulas |
| Statistics and Probability | – Scatter plots and data displays. |

Expectations:

Students are expected to arrive in class on time and prepared. All students should remember to bring to every lesson:

1. Completed homework
2. 2 Pencils/Pens, Eraser and Ruler
3. Any basic scientific calculator-label with student's name
4. Orange Notebook
5. 2 coloured pens/pencils to correct homework
6. Their planner
7. A plastic wallet or section of binder for handouts

Occasionally students will be asked to bring extra items, e.g. protractor, compass, colored pencils.

Assessments:

Summative Assessments:

- End of unit tests and projects

Formative Assessments:

- Class assignments
- Homework assignments
- Quizzes
- Projects
- Self assessments

Students will have math homework every day. It is extremely important to keep up with the Monday through Friday assignments.

If a student forgets his/her homework, they can turn it in at the beginning of the next class for C-.

If a student is absent, they will have the same number of days they were absent to make up the assignment(s).

You can keep up with daily assignments and announcements via my wikispaces page : professor-higgins@wikispaces.com

Grading:

Homework: 10%

Quizzes and Class Assignments: 45%

Tests: 45%. Retakes for below 70%(D or F grade) may earn up to a C-.

*Extra help is available Monday (week A), Tuesday, and Wednesday during recess. Please notify me, or collect a recess pass from me.

Special Projects

These are occasionally assigned during the year. Their complexity and length will vary and they provide an alternative assessment of your learning. Projects appeal to students with different learning styles. Last year we applied transformations and tessellations to create graphic designs, and built architectural models to calculate areas, volumes, and building costs.

